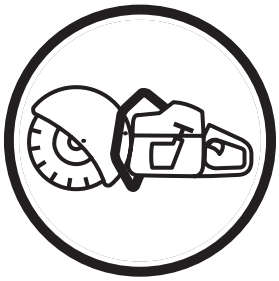
Operator´s manual

371K 375K

Please read these instructions carefully and make sure you understand them before using the machine.



English

SYMBOL EXPLANATION

Symbols on the power cutter:

WARNING! The power cutter can be dangerous! Careless and incorrect use can result in serious or fatal injury to the operator or others.

Please read the instructions carefully and make sure you understand them before using the power cutter.

Always wear:
- Approved protective helmet
- Approved hearing protection
- Protective glasses or visor

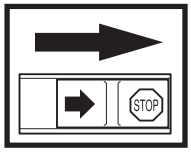
This product is in accordance with applicable CE directives.

Warning
Cutting creates a lots of dust which can cause inhalation damages. Use appropriate dust mask or respirator protection. Avoid breathing petrol fumes and exhaust gases. Provide for good ventilation.

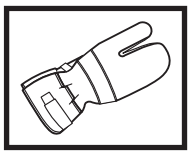
Warning
Sparks from the cutting blade can cause fire in combustible materials such as: petrol (gas), wood, dry grass etc.

Noise emission to the environment according to the European Community's Directive. The machine's emission is specified in chapter Technical data and on label.

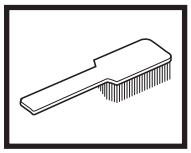
Symbols in the Operator's Manual:



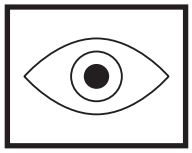
Switch off the engine by moving the stop switch to the STOP position before carrying out any checks or maintenance.



Always wear approved protective gloves.



Regular cleaning is required.



Visual check.

Protective glasses or a visor must be worn.

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Before using your new Power cutter

- Read the Operator's Manual carefully.
- Check the assembly and adjustment of the cutting blade, see chapter "*Assembly*".
- Start the engine and check the carburettor settings. See chapter "*Maintenance*", section "*Carburetor*". When adjusted correctly the cutting blade should not rotate when idling. Setting the idling speed is described in the Operator's Manual. Adjust the speed according to these instructions. Do not use the power cutter if the idling speed is not correctly adjusted!
- Let your Husqvarna dealer check the power cutter and carry out essential adjustments and repairs.

WARNING!
Under no circumstances should you modify the original design of the power cutter without approval from the manufacturer. Always use genuine spare parts. Unauthorized modifications or accessories may lead to serious injury or death.

WARNING!
Use of products which cut, grind, drill, sand or shape material can generate dust and vapors which may contain harmful chemicals. Know the nature of the material being worked on and wear appropriate dust mask or respirator protection.

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SAFETY INSTRUCTIONS

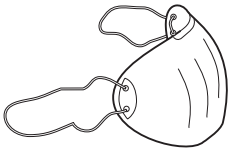
WARNING! Incorrect or careless use of a power cutter can turn it into a dangerous tool that can cause serious or even fatal injury. It is extremely important that you read and understand this manual.

PERSONAL PROTECTIVE EQUIPMENT

WARNING! When using a power cutter, approved protective equipment must be used. Personal protective equipment does not eliminate the risk of accidents, however, it can reduce the effects of an injury in the event of an accident. Ask your dealer for help when choosing protective equipment.

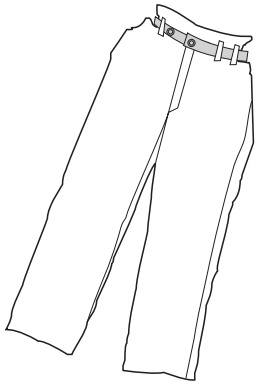
- PROTECTIVE HELMET
- EAR PROTECTION
- PROTECTIVE GLASSES OR FULL FACE PROTECTION

- BREATHING MASK



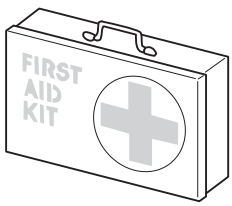
- HEAVY-DUTY, FIRM GRIP GLOVES

- SNUG-FITTING, HEAVY-DUTY, COMFORTABLE CLOTHING THAT ALLOWS FULL FREEDOM OF MOVEMENT
- LEG PROTECTION (TO PROTECT AGAINST SPARKS AND CUTTING FRAGMENTS)



- ANTI-SLIP BOOTS WITH STEEL TOE CAPS

- FIRST AID KIT SHOULD ALWAYS BE ON HAND



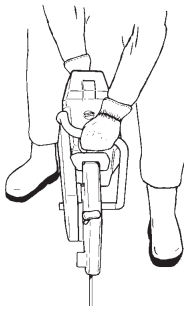
THE POWER CUTTER'S SAFETY EQUIPMENT

This section describes the power cutter's safety equipment, its function and how checks and maintenance are carried out to ensure that it operates correctly. (See the chapter *"What is what"* to locate where this equipment is positioned on your power cutter.)

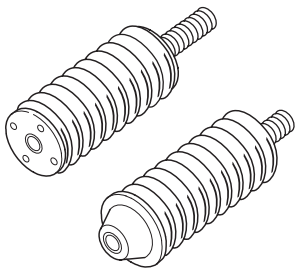
WARNING! Never use a power cutter with defective safety equipment. Follow the control, maintenance and service instructions described in this manual.

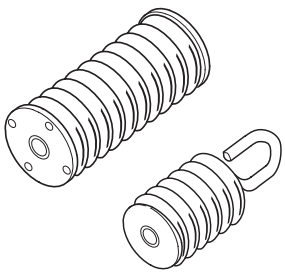
1 Anti-vibration system

Your power cutter is equipped with an anti-vibration system. This is designed to give as low vibration levels and comfortable usage as possible.



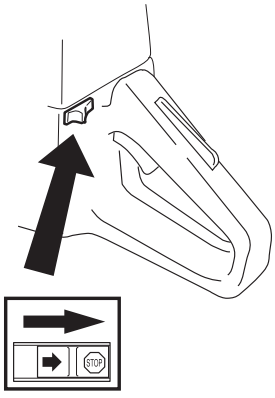
The power cutter's anti-vibration system reduces the transfer of vibration between the engine/cutting equipment and the cutting trolley. The engine body including the cutting equipment is suspended in a handle system via anti-vibration elements.





2 Stop switch

The stop switch should be used to stop the engine.



3 Muffler

WARNING! During use and for some time after the muffler is very hot. Do not touch the muffler if it is hot!

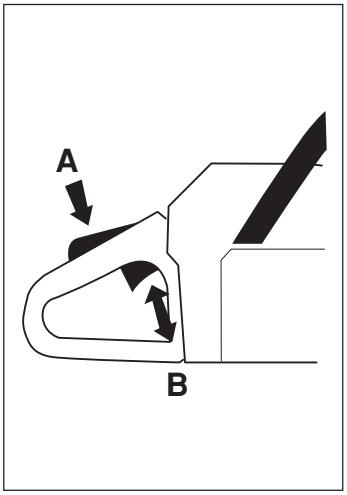
The muffler is designed to give the lowest possible noise level and to direct the engine‘s exhaust fumes away from the user. The engine‘s exhaust fumes are hot and can contain sparks, which can lead to the outbreak of fire.

MPORTANT INFORMATION! It is extremely important that the instructions for checking, maintaining and servicing the muffler are followed. (see the section *“Control, maintenance and service of the machine’s safety equipment“*).

WARNING! The inside of muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.

4 Throttle lock

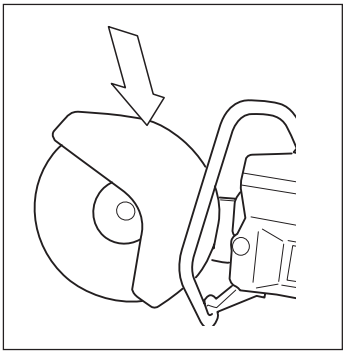
The throttle lock is designed to prevent accidental operation of the throttle control. When you press the lock (A) (i.e. when you grasp the handle) it releases the throttle trigger (B). When you release the handle the throttle trigger and the throttle lock both move back to their original positions. This movement is controlled by two independent return springs. This arrangement means that the throttle control is automatically locked at the idle setting when you release the handle.



5 Blade guard for the cutting blade

WARNING! Always check that the blade guard is correctly fitted before starting the machine.

The blade guard is mounted above the cutting blade and prevents cutting fragments from being thrown towards the user.

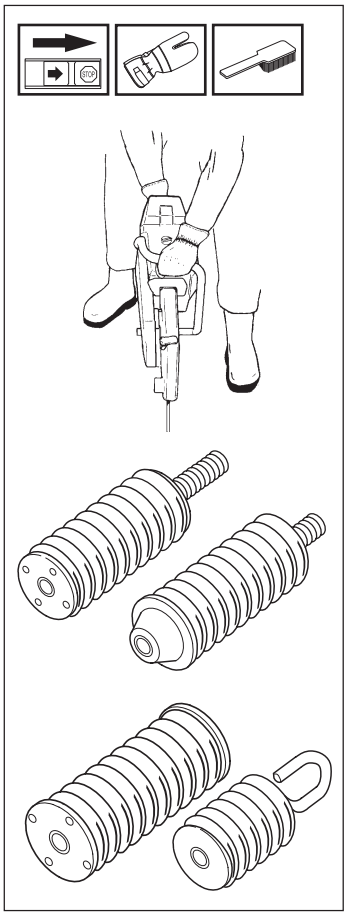


Control, maintenance and service of the machine‘s safety equipment

WARNING! All service and repairs to the power cutter require special training. This applies especially to the power cutter’s safety equipment. If the power cutter does not meet any of the controls listed below you should contact your service workshop.
The purchase of one of our products guarantees that professional repair and servicing will be carried out on it. If the point of purchase is not one of our servicing dealers, please ask for details of the closest service workshop.

1 Anti-vibration system

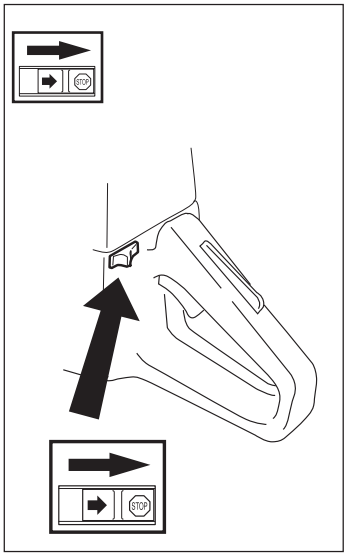
Check the anti-vibration elements regularly for material cracks and deformation.



Check that the anti-vibration elements are securely mounted between the engine unit and the handle system.

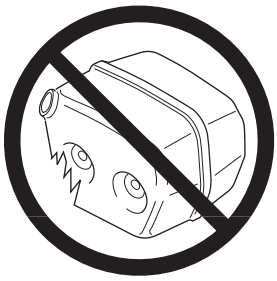
2 Stop switch

Start the engine and make sure that the engine stops when the stop switch is moved to the stop position.

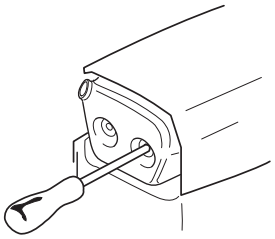


3 Muffler

Never use a machine that has a defective muffler.

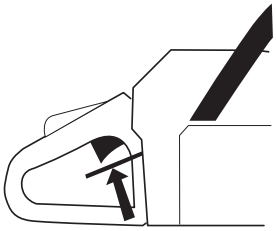


Check regularly that the muffler is secured to the engine body.

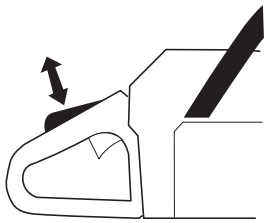


4 Throttle lock

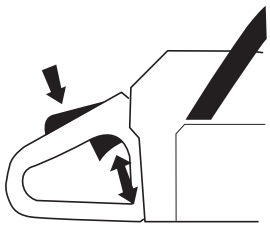
1 Make sure the throttle control is locked at the idle setting when you release the throttle lock.



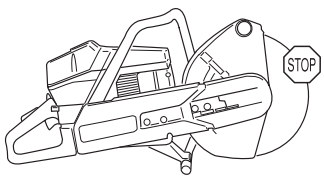
2 Press the throttle lock and make sure it returns to its original position when you release it.



3 Check that the throttle control and throttle lock move freely and that the return springs work properly.

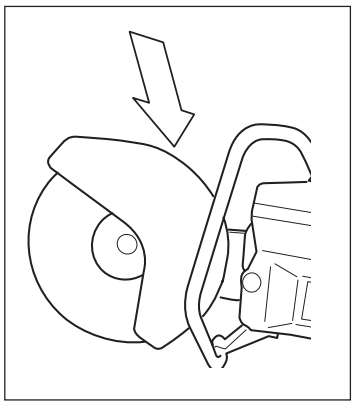


4 Start the power cutter and apply full throttle. Release the throttle control and check that the blade stops and remains stationary. If the blade rotates when the throttle is on idle setting you should check the carburettor idle adjustment. See the section on *"Maintenance"*.



5 Blade guard for the cutting blade

Never use a defective blade guard or a blade guard that is not fitted correctly.



WARNING! Check that the cutting blade is fitted correctly and does not show signs of damage. A damaged cutting blade can cause personal injury.

WARNING! Never use a power cutter with defective safety equipment. The power cutter's safety equipment should be checked and maintained as described in this Operator's Manual. If your power cutter does not meet any of these controls you should contact your service workshop.

GENERAL SAFETY INSTRUCTIONS

IMPORTANT INFORMATION!
Do not use the power cutter until you have read the entire contents of this Operator's Manual.
All servicing, in addition to the points listed in the section "*Control, maintenance and service of the power cutter's safety equipment*", should be carried out by trained service specialists.

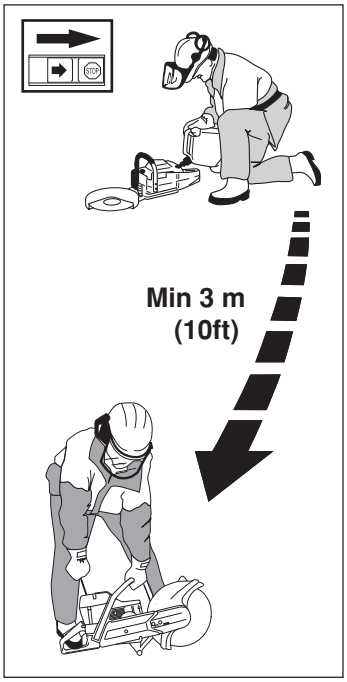
- Use the equipment recommended in the chapter *"Personal safety equipment"*.
- Never use the machine when you are tired, under the influence of medicines/drugs or alcohol.
- Do not lend the power cutter to anyone without providing this Operator's Manual. Ensure the person using the power cutter understands the information in this Operator's Manual.

Transport and storage

- Store the power cutter under lock and key so that it's out of reach for children and unauthorised persons.
- Do not store or transport the power cutter with the cutting blade fitted.

Fuel safety
(Filling/Fuel mixture/Storage)

WARNING! Exercise great care when handling fuel. Bear in mind the risk of fire, explosions and inhaling fumes.



- Never fill the machine while the engine is running.
- Provide good ventilation when filling or mixing fuel (petrol and 2-stroke oil).
- Move the machine at least 3 m from the filling position before starting.
- Never start the machine:
  a) If you have spilt fuel on it. Wipe up all spillage.

  b) If you have spilt fuel on yourself or your clothes. Change your clothes.

  c) If there is a fuel leak. Make regular checks for leakage from the fuel cap and the fuel supply pipes.
- Store the power cutter and fuel so that any leakage or fumes do not risk coming into contact with sparks or naked flames. For example, electric machines, electric motors, electrical switches/power switches, heaters or the like.
- When storing fuel, approved containers intended for this purpose must be used.
- When storing the power cutter for long periods the fuel tank must be emptied. Contact your local petrol station to find out how to dispose of excess fuel.
- Use a Husqvarna fuel can with an anti-spill device.

WARNING! Fuel and fuel fumes are highly flammable. Think of the risks of fire, explosion and breathing in fumes. Stop the engine before refuelling. Do not overfill with fuel. Mop up any spills on the ground or the machine. If you spill fuel on yourself or your clothes, change your clothes. Move the machine at least 3 metres from the refuelling site before starting.

GENERAL WORKING INSTRUCTIONS

This section takes up the basic safety precautions for working with the power cutter. Follow these general working instructions, but never use a machine without the possibility of calling for help in the event of an accident.

Basic safety precautions

IMPORTANT INFORMATION! Never work with a power cutter that is defective or incorrectly adjusted. Do not work with a power cutter that is incomplete or where assembly has not been carried out in a satisfactory manner. Check that the cutting blade stops rotating when the throttle is released. If you encounter a situation where you are uncertain how to proceed you should ask an expert.
Avoid all usage which you consider to be beyond your capability.

- Check that no one is in the immediate vicinity when the machine is started or while working with the machine to ensure that people, animals or other things cannot affect your control of the power cutter.
- Avoid usage in unfavourable weather conditions, for example, thick fog, heavy rain, strong winds or extreme cold, etc. To work in bad weather conditions is tiring and can create dangerous circumstances, e.g. slippery surfaces.
- Never start to work with the power cutter before the working area is clear and you have a firm foothold. Look out for any obstacles with unexpected movement. Ensure when cutting that no material can become loose and fall, causing operating injury.Take great care when working on sloping ground.
- Make sure clothing and parts of the body do not come into contact with the cutting blade when the engine is started.
- Maintain a safe distance from the cutting blade when the engine is running.
- The blade guard should always be fitted when the engine is running.
- Ensure that the working area is sufficiently illuminated to create a safe working environment.
- Check the cutting area for buried cables and wires.

Only use the machine in areas with good ventilation. Neglect can result in serious injury or death.

Cutting

WARNING! A safe distance from the power cutter is 15 metres. You are responsible that animals and onlookers are not in the working area. Do not start to work with the power cutter before the working area is clear and you have a firm foothold.

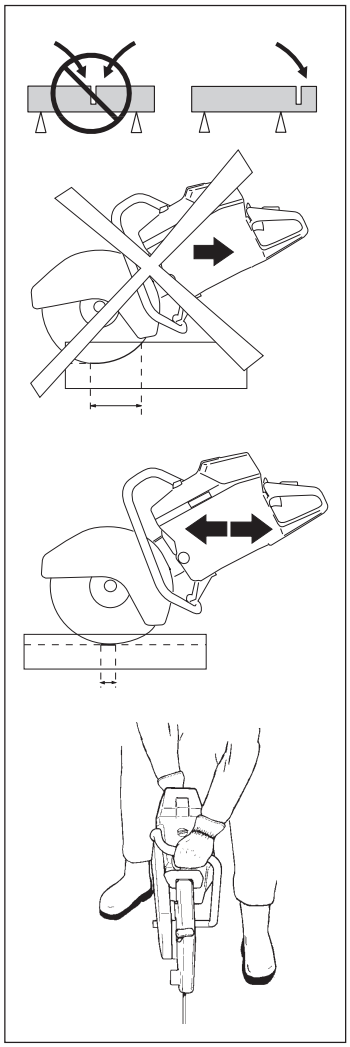
- Start cutting with the engine at full throttle.
- Always hold the power cutter firmly, with both hands. Hold the machine so that the thumb and fingers grip around the handle.

WARNING! Over exposure to vibrations can result in blood-vessel or nerve injury to persons suffering with blood circulation problems. Seek medical attention if you experience physical symptoms that can be related to over exposure to vibrations. Examples of such symptoms are numbness, lack of feeling, "tickling", "pricking", pain lack of or a reduction in normal strength, changes in the colour of the skin or its surfaces. These symptoms normally appear in the fingers, hands or wrists.

Cutting technique

The technique described below is of a general character. Check information for each blade regarding individual cutting characteristics. (For example, a diamond blade requires less feeding pressure than a abrasive blade).

1. Support the work piece in such away that you can predict what will happen and so it will not pinch.
2. Always cut at full throttle.
3. Start cutting gently, do not force or squeeze the blade in.
4. Use a high blade speed.
5. Move the blade slowly backwards and forwards.
6. Use a small part of the blade's cutting edge.
7. Only use the blade's cutting edge when cutting.
8. Cut with the blade fully vertical – at right angles to the work piece.



WARNING!
Under all circumstances avoid cutting using the side of the blade; it will almost certainly be damaged, break and can cause immense damage. Only use the cutting section.

WARNING!
Do not lean the blade to the side, this can cause the blade to jam or break with personal injury as a consequence.

Water cooling

WARNING! Water cooling, which is only used for petrol-driven power cutters and when cutting concrete, cools the cutting blade and increases its service life as well as reduce dust formation (see the section "*Abrasive blades*"). Among the disadvantages are difficulties at very low temperatures, the risk of damaging the floor and other sections of the building and risk for slippage.

Sharpening diamond blades

Blades can become dull when the wrong feeding pressure is used or when cutting some materials such as heavily reinforced concrete. To force a dull blade results in overheating and finally the loss of segments (part of the blade).

Sharpen against a soft material such as sandstone or haydite brick.

Blade vibration

The blade can become out of shape (not round) and vibrate if a too high feeding pressure is used or if the blade is pressed into the work piece.

A lower feeding pressure ought to stop the vibration. Otherwise replace the cutting blade.

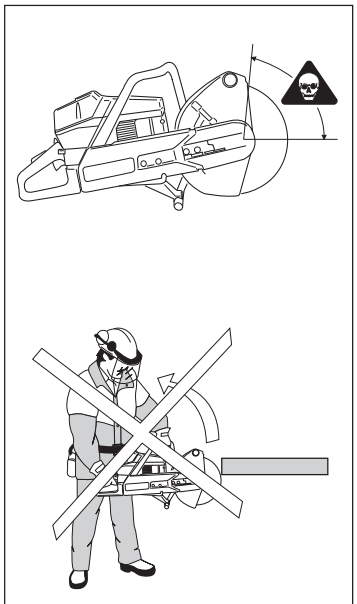
Kickback

WARNING!
Kickback can occur very suddenly and with great force. If the following directives are not followed, it can result in serious or even fatal injury.

If the sector of the blade illustrated below is used for cutting the blade can start to climbing and kickback the power cutter upwards and backwards towards the user with immense force.

How to avoid kickback

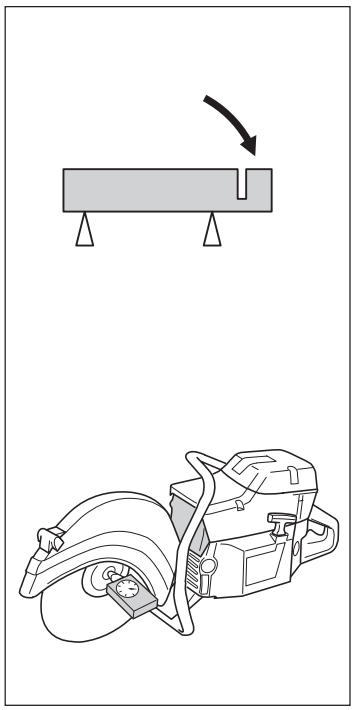
1. Never cut with the segment illustrated in the diagram.
2. Keep a good balance and a firm foothold.
3. Use both hands and take a firm grip with the thumb and fingers around the handle.
4. Keep the work piece at a comfortable distance.
5. Use the cutter at full throttle.
6. Take care when inserting the blade in an existing cut.
7. Never cut above shoulder height.
8. Be alert to movement of the work piece or anything else that can occur, which could cause the cut to close and pinch the blade.



Pull in
Pull in occurs when the lower part of the blade is suddenly stopped or when the cut closes. (To avoid this see the section "*How to avoid kickback*" and *"Pinching/rotation"* below).

Pinching/rotation
Pinching occurs when the cut closes. The power cutter can be drawn suddenly and powerfully downwards.

How to avoid pinching
Support the work piece in such a way that the cut remains open during the cutting operation and when the cut is finished.



Drying the blade
After using an abrasive blade with water cooling, let the cutter run at full throttle for approx. half a minute so that the blade dries.

If a damp blade is stored it can become unbalance and cause damage.

Check the speed of the drive shaft
Use a tachometer regularly to check the speed of the drive shaft when the cutter is running at working temperature and at full throttle without a load. The maximum speed is stated on the unit.

WARNING!
If the speed is higher than that stated then the unit must be adjusted by an authorised service workshop before it is used.

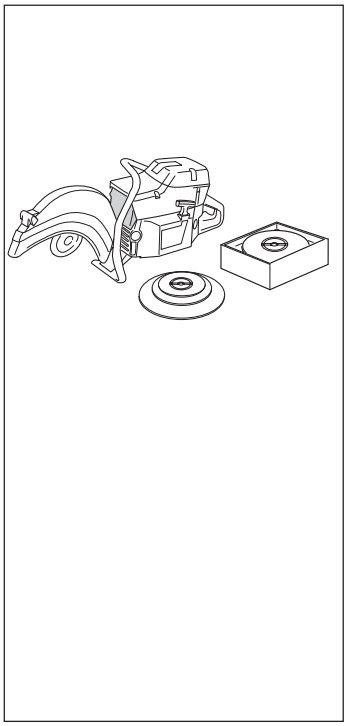
Care and storage

General
Husqvarna's power cutters are robust and durable. However, as they are used for high speed operations all servicing should be carried out on time and as specified, so that the power cutter always works effectively and safely.

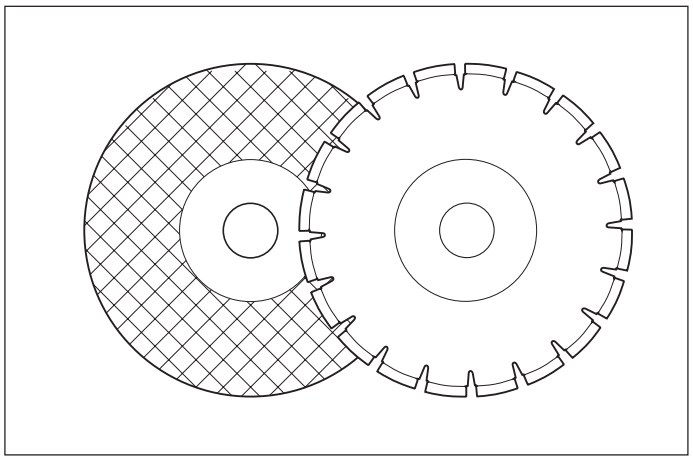
Read this Operator's Manual to determine which service routines you can carry out and ensure that all other service work is carried out by an authorised service workshop.

Power Cutter
Always handle the power cutter with care and store it with the blade removed.

Blades
- All blades should be removed from the cutter after use and stored carefully.
- Special care should be taken with abrasive blades.
- Blades must be stored on a firm, level surface. If blades are supplied with a backing pad then a spacer should be used to keep them flat.
- Avoid moisture and temperature extremes.
- Remove the blades before the cutter is moved or transported.
- Inspect new blades for transport or storage damage.



CUTTING BLADES



General

Cutting blades are available in two basic designs; abrasive discs and diamond blades. Only abrasive discs and diamond blades may be used and only within their respective application areas.

WARNING!
A cutting blade may burst and cause injury to the operator.

High speed portable tools

Our cutting blades are manufactured for high-speed, portable power cutters. If blades from other manufacturers are used, ensure that the blades conform to all regulations and demands that concern this type of power cutter.

WARNING!
Never use a cutting blade at a lower speed rating than that of the power cutter.

Special blades

Some cutting blades are designed for stationary equipment and for use with attachments.Such cutting blades must not be used on portable power cutters.

WARNING!
Never use a cutting blade for any other purpose than that it was intended for.

Always contact local authorities and make sure you are following applicable directives.

Abrasive discs

The cutting material on abrasive discs consists of grit bonded using an organic binder. ”Reinforced blades” are made up of a fabric or fibre base that prevents total breakage at maximum working speed if the blade should be cracked or damaged. (The term reinforced does not refer to those cutting blades that are only reinforced around the flange).

A cutting blade’s performance is determined by the type and size of abrasive corn, and the type and hardness of the bonding agent.

Characteristics that give the blade a shorter service life and greater cutting capacity are said to make the blade ”softer”. A blade with a longer service life and slower cutting capacity is a blade with a ”harder” effect.

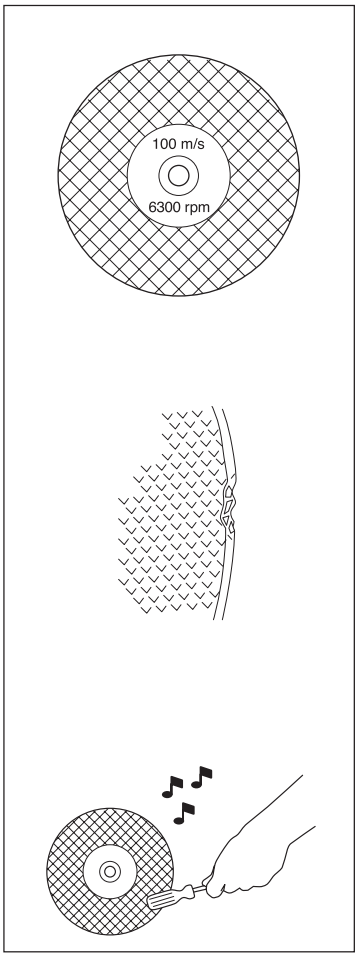
High quality cutting blades are normally more economical. Lower quality cutting blades usually have an inferior cutting capacity and shorter service life, which results in higher cost per processed material.

ABRASIVE DISCS, TYPES AND USES

	Use		
Blade type	**General characteristics**	**Material**	**Water cooling**
Con-crete	Universal usage, economical.	Concrete, asphalt, stone, brickwork, cast iron, aluminium, copper, brass, cables, rubber, etc.	Can be used to reduce dust. The disc should not be stored after cutting is complete as water affects the strength of the disc while stored.
Metal	Unbeatable for steel (not suitable for concrete, etc.)	Steel, steel alloys and other hard metals.	NOT recommended.

Type of cutting blades

The cutting blade should be marked with the same or a higher speed than that stated on the machine's rating plate. Never use a cutting blade with a lower speed rating than what is stated on the machine's rating plate.



Damage

- Ensure the blade it not cracked or damaged in any other way.
- Test the abrasive disc by hitting it lightly with a piece of wood. If the blade does not give a full-sounding ring then it is damaged.
- Never use a blade that has fallen on the floor.

Assembly

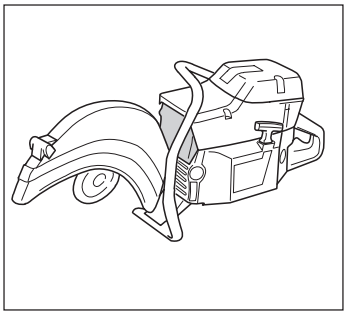
- Check that the blade is fitted correctly and is secure.
- Follow all specifications in the table below.

Specifications for fitting blades		
Standard blades centre hole (spindle)	inches mm	.787 7/8 1 20 22,2 25,4
Reducing bush*	Max. thickness Min thickness	Blade thickness 3 mm (1/8")
Backing pad (Must be used)	Material Max. thickness	Highly compressible, e.g. blotting paper 0,5 mm (.020")
Spindle hole/ drive shaft	Play	0,2 mm (.010")
Flange tightening	The bolt is tightened to 15-25 Nm	
Blade/guard	Check that the blade runs free of the guard.	

* Plastic reducing bushes may only be used with abrasive discs. Do not use reducing bushes with diamond blades or tungsten carbide blades.We recommend that the spindle is replaced so that it fits the blades to be used rather than using a reducing bush. Contact your service workshop for details.

Guard

Check that the guard is not cracked or shows signs of any other damage. Clean the inside of the guard before fitting a new blade. Check that the guard can be adjusted.



Diamond blades

Diamond blades consist of a steel body with segments that contain industrial diamonds

DIAMOND BLADES, TYPES AND USES			
Diamond blade	**General characteristics**	**Material**	**Water cooling**
	Low cost per cutting operation. Fewer blade changes. Constant cutting depth. Less dust.	All brickwork, reinforced concrete and other composite materials. NOT recommended for metal.	Increases the blade's service life

WARNING!
Cool diamond blades continuously with water to prevent overheating that can cause the blade to break and pieces being thrown off resulting in injury and damage.

Using diamond blades

Proceed as follows:

- Let the cutting blade rotate in the same direction as the arrow markings indicate.
- Cool continually with water.
- Keep the cutting blade sharp.
- Remove the cutting blade when the machine is transported.

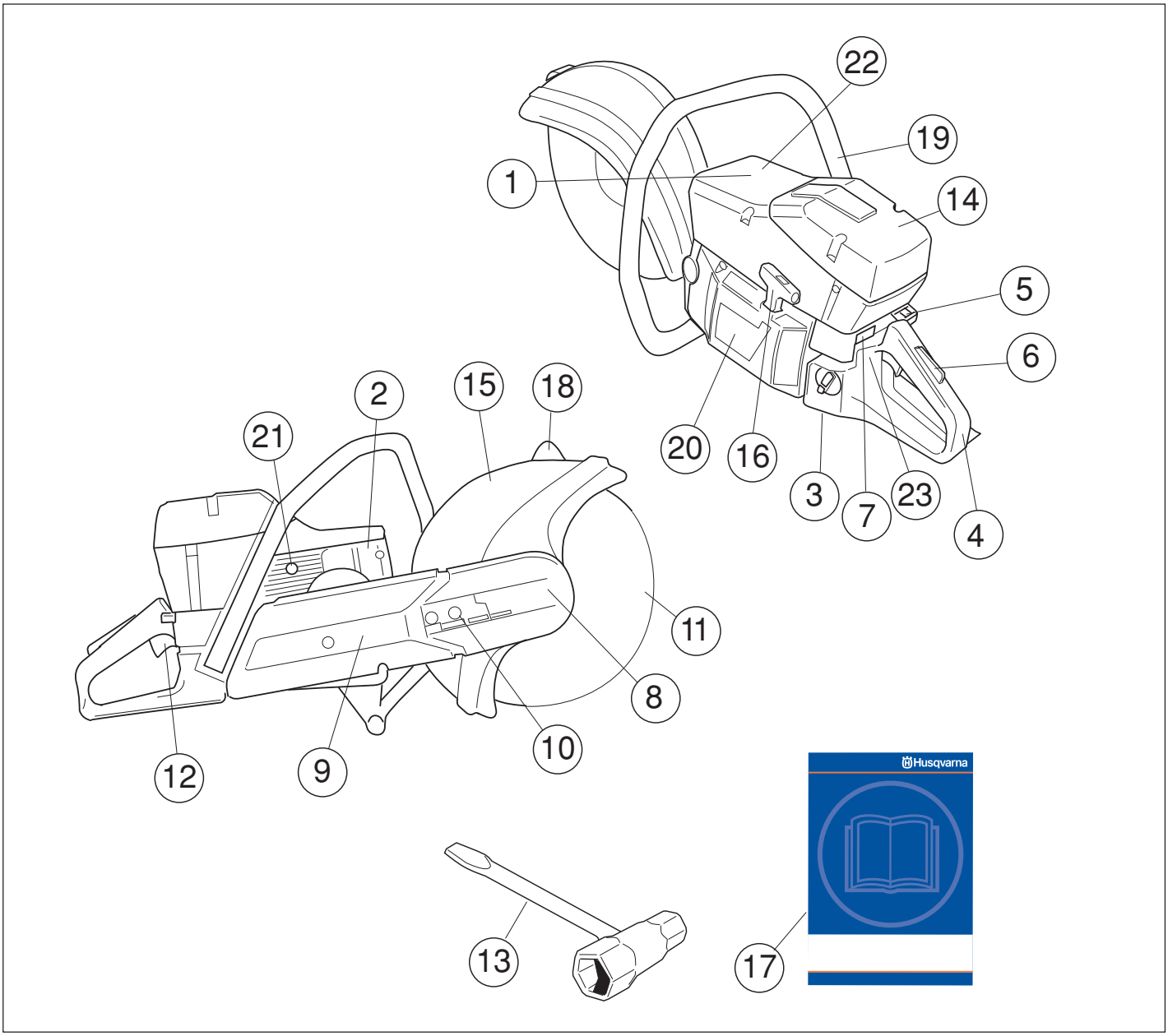
Avoid:

- Running the cutting blade in the wrong direction.
- Forcing a dull blade or wedging the blade into a cut.
- Transporting the power cutter with the blade fitted.
- Letting the blade fall on the work piece.

Diamond blades for dry cutting

Diamond blades for dry cutting are a new generation of blades that do not require water cooling. However, the blades are still damaged by excessive heat. It is good economics to let the blade cool by simply lifting the blade from the cut every 30–60 seconds and let it rotate in the air, for 10 seconds to cool.

WHAT IS WHAT?

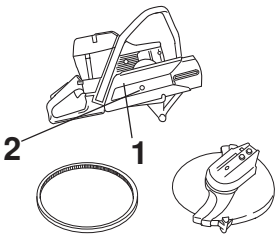


What is what on a power cutter?

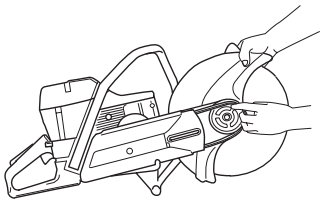
1. Cylinder cover
2. Muffler
3. Fuel tank
4. Rear handle
5. Choke / Throttle trigger lockout
6. Throttle catch
7. Stop switch
8. Cutting head
9. Cutting arm
10. Belt tensioning screw
11. Cutting blade
12. Throttle
13. Combination spanner
14. Air filter cover
15. Blade guard
16. Starter handle
17. Operator's manual
18. Adjustment lever for blade guard
19. Front handle
20. Starter
21. Decompression valve
22. Warning decal
23. Type plate

Fitting the cutting head

Remove the bolt (1) and nut (2). Remove the cover. Fit the drive belt over the clutch drum. Refit the cover and tighten the bolt (1) and nut (2).

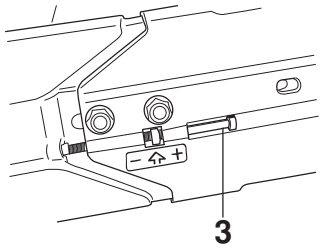


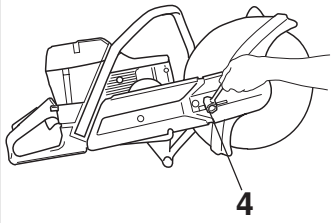
Feed the drive belt over the pulley on the cutting head.



Secure the cutting head together with the belt guard. Tighten both bolts slightly, then loosen 1/2 turn.

Screw in the tensioning screw (3) so that the square nut is in line with the arrow on the belt guard. Shake the head to ensure the spring can tension the belt. This automatically adjusts the belt to the correct tension. Tighten both bolts (4) using the combination spanner.
NOTE!
After fitting a new belt the belt tension must be readjusted after the first two tanks of fuel have been used.

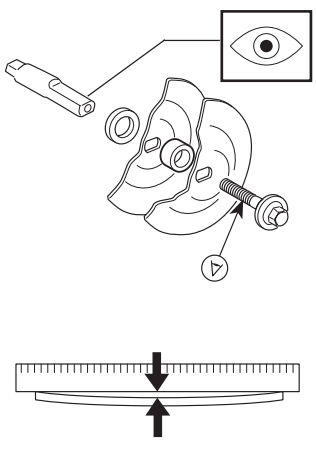




Checking the drive shaft and flanges

- Check that the threads on the drive shaft are undamaged.
- Check that the contact surfaces of the cutting blade and flanges are flat, run correctly on the spindle and are free from foreign objects.

  Do not use flanges that are twisted, have damaged edges, untrue or dirty. Do not use different size flanges.



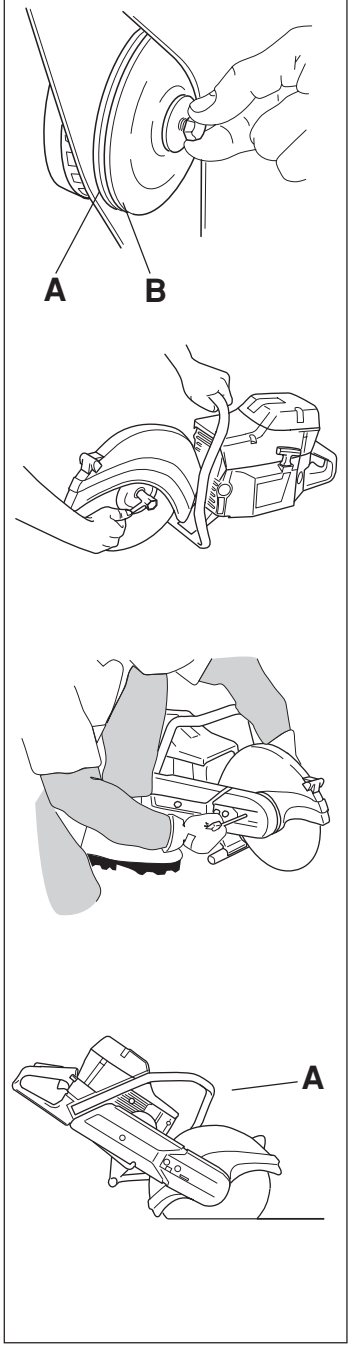
Fitting the cutting blade

Husqvarna cutting blades are manufactured and approved for freehand cutting. The paper labels on each side of the blade are there to distribute the pressure from the flange washer and prevent the blade from slipping.

The blade is placed between the flange hub (A) and the flange washer (B). The flange washer is turned so that it fits in the flange hub. The cutting blade is tightened using the socket spanner 501 69 17-02.

The shaft can be locked using a screwdriver, steel pin or the like. This is slid in as far as possible. The blade is tightened clockwise.

Tightening torque for the bolt holding the blade is:
15-25 Nm (130-215 in.lb).



Blade guard

The blade guard should always be fitted on the power cutter.
The guard should be adjusted so that the rear section is close to the work piece. Cutting fragments and sparks are then collected by the guard and led away from the user. By using the lever (A) the guard can be loosened and set in the required position.

FUEL HANDLING

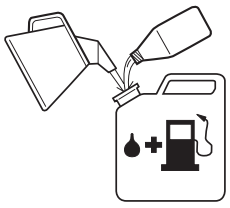
Fuelmix

IMPORTANT! The power cutter is equipped with a two-stroke engine and must always been run using a mixture of petrol and two-stroke engine oil. It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained. When mixing small amounts of fuel, even small inaccuracies can drastically affect the ratio of the mixture.

Always provide for good ventilation when handling fuel.

Petrol

- Use good quality unleaded or leaded petrol.
- The lowest octane recommended is 90.
- If you run the engine on a lower octane grade than 90 so-called, knocking can occur. This gives rise to a high engine temperature, which can result in serious engine damage.



Two-stroke oil

- For the best results use HUSQVARNA two-stroke oil, which is especially developed for power cutters. Mixing ratio 1:50 (2%).
- If HUSQVARNA two-stroke oil is not available, you may use another two-stroke oil of good quality that is intended for air cooled engines. Contact your dealer when selecting an oil. Mixing ratio 1:33 (3%)-1:25 (4%).
- Never use two-stroke oil intended for water cooled outboard engines, so-called, outboard oil.
- Never use oil intended for four-stroke engines.

Gasolin Benzin Essence Gasolina Lit.	Oil • Öl Huile • Aceite Lit.		
	2%(1:50)	3%(1:33)	4%(1:25)
5	0,10	0,15	0,20
10	0,20	0,30	0,40
15	0,30	0,45	0,60
20	0,40	0,60	0,80
US gallon	US fl. oz.		
	2%(1:50)	3%(1:33)	4%(1:25)
1	2 1/2	3 3/4	5 1/8
2 1/2	6 1/2	9 3/4	12 7/8
5	12 7/8	19 1/4	25 3/4

Mixing

- Always mix the petrol and oil in a clean container intended for fuel.
- Always start by filling half the amount of the petrol to be used. Then add the entire amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of petrol.
- Mix (shake) the fuel mixture thoroughly before filling the saw's fuel tank.
- Do not mix more than max. one month's supply of fuel.
- If the power cutter is not used for some time the fuel tank should be emptied and cleaned.

Fuelling

WARNING!The following precautions reduce the risk of fire:

- **Do not smoke or place any sources of heat in the vicinity of the fuel.**
- **Never refuel when the engine is running.**
- **Open the fuel cap slowly when fuelling so that any over pressure is released slowly.**
- **Tighten the fuel cap carefully after refuelling.**
- **Always move the machine from the fuelling place before starting.**

- Keep the handle dry, clean and free from oil and fuel.
- Clean around the fuel cap. Clean the fuel tank regularly. The fuel filter should be changed at least once per year Contamination in the tank can disrupt operations. Ensure that the fuel is well mixed by shaking the container before filling the tank.
- Always exercise care when filling the fuel. Move the power cutter at least three metres from the filling area before starting. Make sure the fuel cap is tightened.

START AND STOP

Start and stop

WARNING! Before starting observe the following:

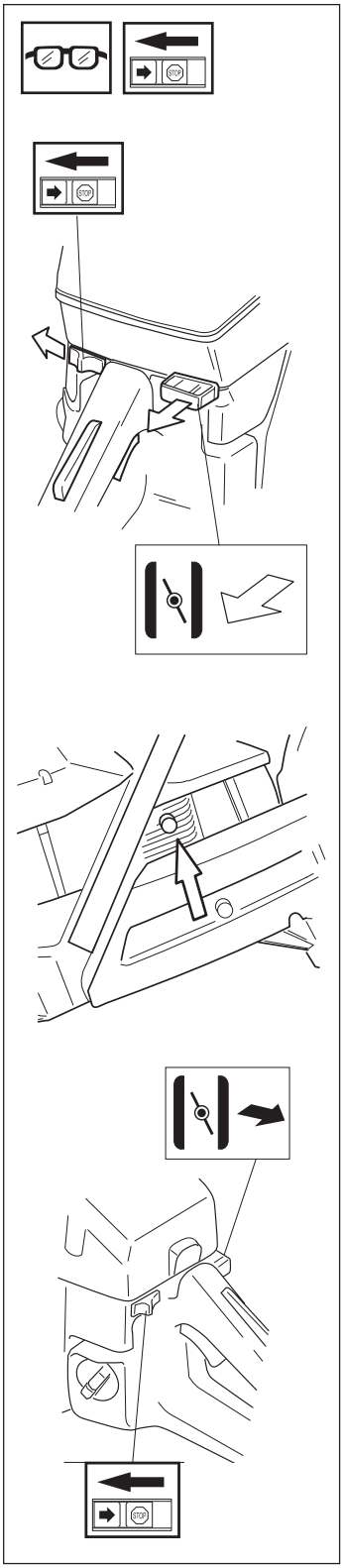
- **Do not start the power cut without the cutting arm or cutting head fitted. Otherwise the clutch can come loose and cause personal injury.**
- **Always move the power cutter from the filling area before starting.**
- **Ensure that you and the machine stand firmly and that the cutting blades rotates freely.**
- **Make sure no unauthorised persons are within the working area.**

Starting a cold engine

IGNITION:
Slide the stop switch to the left.

CHOKE:
Pull out the choke.

DECOMPRESSION VALVE
Press in the value to reduce the pressure in the cylinder, this makes starting the power cutter easier. The decompression valve should always be used when starting. When the machine has started the value automatically returns to its original position.



FAST IDLE:
Combined choke/fast idle is received when the choke is moved to choke position.

Starting a warm engine

Use the same procedure as for starting cold engine but without choke. Fast idle is recived by first set the choke control in choke position, and then back again.

Start

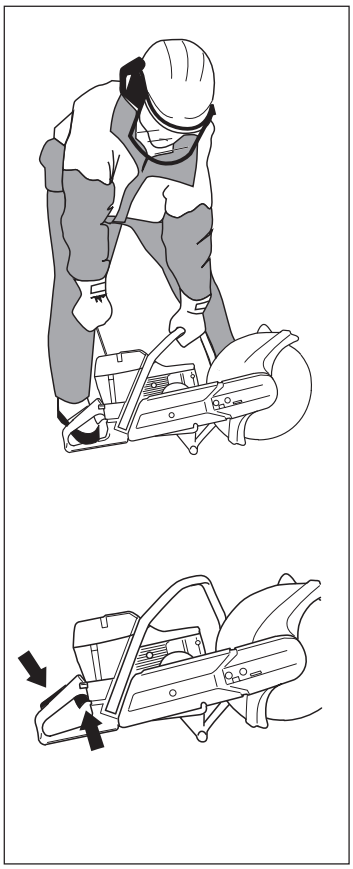
WARNING! The cutting blade can rotate when the engine starts. Make sure it can rotate freely.

Take hold of the front handle using your left hand. Place your right foot on the lower section of the rear handle and press the power cutter against the ground. **Never twist the starter cord around your hand.**

Grip the starter with your right hand, and slowly pull the starter cord out until you feel some resistance (the pawls grip) now pull quickly and powerfully.

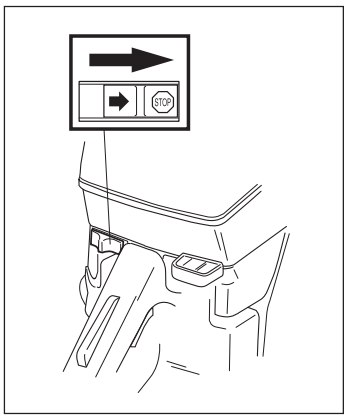
NOTE! Do not pull out the starter cord completely and do not release the starter from the fully extended position. This can damage the power cutter.

When the engine starts, quickly apply full throttle and the starter throttle catch will automatically disengage.



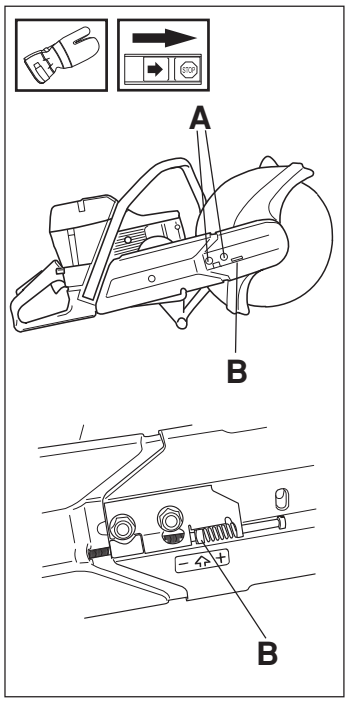
Stop

The engine is stopped by switching off the ignition. (Slide the stop switch to the right.)



Adjusting the drive belt

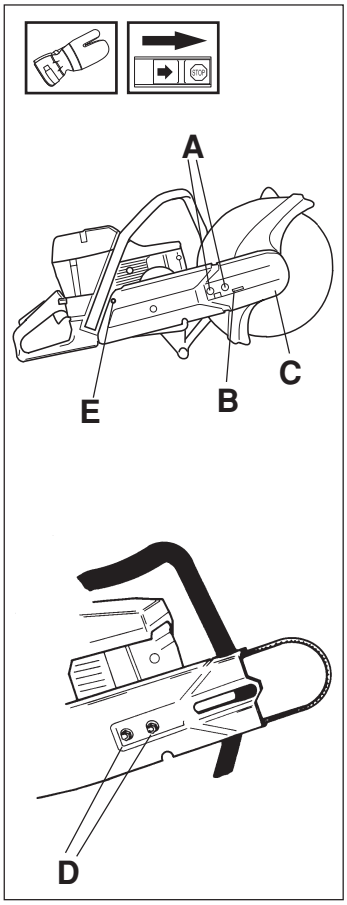
- The drive belt is fully enclosed and well protected from dust, dirt and mechanical effects during the cutting process.
- To tension the drive belt, slightly loosen the bolts (A), which secure the cutting head and belt guard.
- Turn the tensioning screw so that the nut (B) is located directly under the arrow on the cover. Shake the head to ensure the spring can tension the belt. The belt now automatically has the right tension.
- Tighten the bolts that hold the cutting head.



IMPORTANT INFORMATION! A new drive belt should be tensioned after using one tank of fuel.

Changing the drive belt

- Loosen the two bolts (A).
- Turn the tensioning screws (B) until the tension has been released.
- Remove the two bolts (A).
- Remove the front belt cover (C).
- Remove the belt from the pulley.
- Dismantle the cutting head.
- Remove bolt (E) and nut (D). Remove the side cover.
- Replace the drive belt.
- To assemble reverse the procedure for dismantling.
- Check the cutting blade's blade guard for signs of cracking or other damage. Replace it if damaged.



WARNING! Never use a power cutter without a blade guard over the cutting blade.

Belt pulley and clutch

Never start the engine when the belt pulley and clutch are removed for maintenance.

Carburettor

Your Husqvarna product has been designed and manufactured to specifications that reduce harmful emissions.
After your unit has been run 8-10 tanks of fuel the engine has broken in. To ensure that your unit is at peak performance and producing the least amount of harmful emissions after break in, have your authorized servicing dealer, who has a revolution counter at his disposal, to adjust your carburettor for optimum operating conditions.

Functioning, Basic setting, Final setting

WARNING! Do not start the power cutter without the cutting arm or cutting head fitted. Otherwise the clutch can come loose and cause personal injury.

Operation

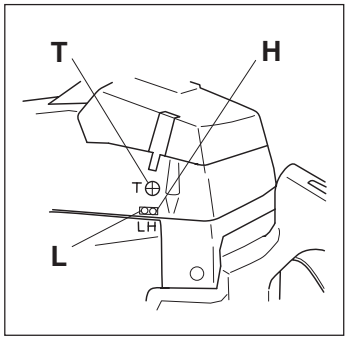
- The carburettor governs the engine speed via the throttle. Air/fuel are mixed in the carburettor.

Govenor

The engine is equipped with in the ignition built in non adjustable electronic speed limiter. The limiter prevents the engine from being ran at a too high RPM.

- The carburettor has three adjustment possibilities:

  L = Low speed jet.
  H = High speed jet.
  T = Adjustment screw for idling.



- The T screw regulates the idling speed. If the screw T is turned clockwise this gives a higher idling speed; counter-clockwise a lower idling speed.

Basic setting and running in

The carburettor is set to its basic setting when test run at the factory. Fine adjustment should be carried out by a skilled technician.

NOTE! If the disk rotates while idling the T screw should be adjusted counter-clockwise until it stops.
Recommended idling speed: 2 500 rpm.

Contact your servicing dealer, if the idle speed setting cannot be adjusted so that the disk stops. Do not use the engine until it has been properly adjusted or repaired.

Conditions

- Before any adjustments are made the air filters should be clean and the cylinder cowling fitted. Adjusting the carburettor while a dirty air filter is in use will result in a leaner mixture when the filter is finally cleaned. This can give rise to serious engine damage.
- Carefully turn the L and H needle to the mid point.
- **Do not attempt to adjust the needles beyond the stops as damage can occur.**
- Now start the engine according to the starting instructions and run it warm for 10 minutes.
  NOTE! If the disk rotates the T screw should be turned counter-clockwise until the disk stops.
- Place the engine on a flat surface so that the disk points away from you and so that the disk do not come into contact with the surface or other objects.

Low speed needle L

Turn the low speed needle L clockwise until the stop. If the engine has bad acceleration or erratic idling, turn the L needle counter-clockwise until good idling and acceleration.
NOTE! If the disk rotates in the idling position, turn the idling speed screw counter-clockwise until the disk stops.

Final setting of the idling speed T

Adjust the idling speed with the screw T. If it is necessary to re-adjust, first turn the idle speed adjusting screw T clockwise, until the disk starts to rotate. Then turn, counter-clockwise until the disk stops. A correctly adjusted idle speed setting occurs when the engine runs smoothly in every position. It should also be good margin to the rpm when the disk starts to rotate.

Contact your servicing dealer, if the idle speed setting cannot be adjusted so that the disk stops. Do not use the engine until it has been properly adjusted or repaired.

Correctly adjusted carburettor

A correctly adjusted carburettor means that the engine accelerates without hesitation. Furthermore, the disk must not rotate at idling. A too lean adjusted low speed needle L may cause starting difficulties and bad acceleration. A too lean adjusted high speed needle H gives lower power=less capacity, bad acceleration and/or damage to the engine. A too rich adjustment of the two speed needles L and H gives acceleration problems or too low working speed.

Fuel filter

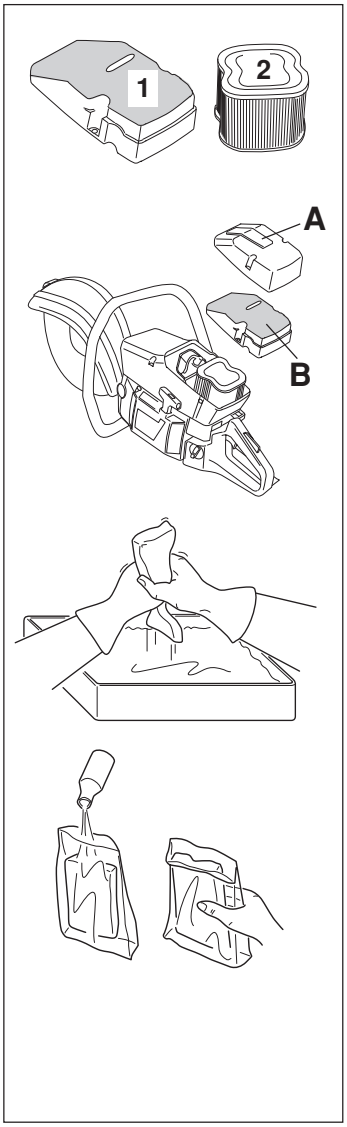
- The fuel filter sits inside the fuel tank.
- The fuel tank must be protected from contamination when filling. This reduces the risk of operating disturbances caused by blockage of the fuel filter.
- The filter cannot be cleaned but must be replaced with a new filter when it blocked. **The filter should be changed at least once per year.**

Air filter

The air filter should be cleaned regularly removing dust and dirt to avoid:

- Carburettor malfunction
- Starting problems
- Reduced engine power
- Unnecessary wear to engine parts

The air filter system consists of a backup filter (1) and a main filter (2):



1) The main filter is an oiled foam rubber filter that is easily accessible under the filter cover (A). In dusty conditions this filter should be inspected/replaced each week. In order to obtain a good filtering effect, the filter must be cleaned and oiled regularly. Special HUSQVARNA oil has been produced for this purpose.

- Remove the filter. Wash the filter carefully in tepid, soapy water. After cleaning rinse the filter thoroughly in clean water. Squeeze out the filter and let the filter dry.
  NOTE! Compressed air at a high pressure can damage the foam.
- Oil the filter carefully. It is extremely important that the entire filter is saturated in oil.

2) The backup filter is a paper filter accessible from under cover B. This filter should be replaced/cleaned when the engine's power drops or each month. The filter is cleaned by shaking or by careful blowing with compressed air. Note that the filter must not be washed!

A filter used for a long period of time can never be completely cleaned. Therefore all air filters must be replaced periodically with a new filter. **A damaged air filter must always be replaced.**

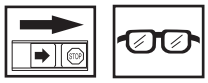
IMPORTANT INFORMATION!
Insufficient care of the air filter will cause deposits on the spark plug resulting in abnormal wear to engine parts.

MAINTENANCE

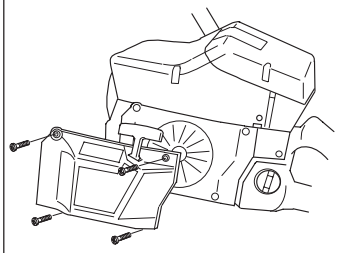
Starter

WARNING!
• The recoil spring sits in its tensioned position in the starter housing and can with careless handling fly out and cause personal injury.
• When replacing the recoil spring or the starter cord great care should be exercised. Always wear protective glasses.

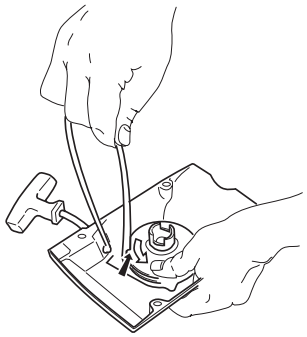
Replacing a broken or worn starter cord



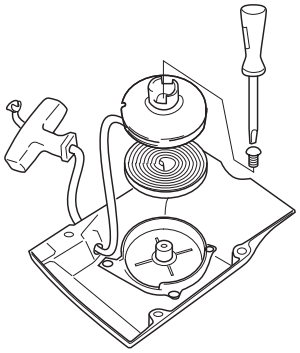
- Loosen the bolts that hold the starter against the crankcase and lift off the starter unit.



- Pull out the cord approx. 30 cm and lift it out of the cut-out in the starter-pulley's periphery. Reset the recoil spring by allowing the pulley to slowly rotate backwards.



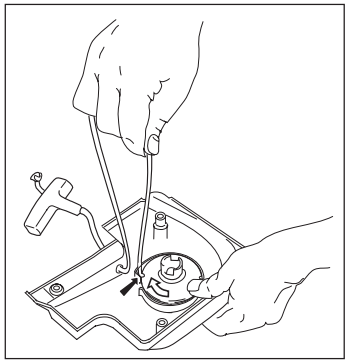
- Undo the bolt in the centre of the pulley and remove the pulley. Insert and secure a new starter cord in the starter pulley. Wind approx. 3 turns of the starter cord on the starter pulley. Fit the starter pulley against the starter so that the end of the return spring hooks into the starter housing. Fit the bolt into the centre of the starter pulley. Carry the starter cord through the hole in the starter housing and the starter handle. Tie a good knot on the starter cord.



Tensioning the recoil spring

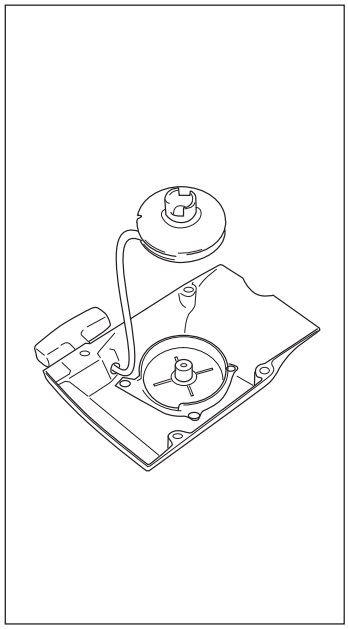
- Lift up the starter cord from the cut out on the pulley and turn the pulley approx. 2 turns clockwise.

NOTE! Ensure the starter pulley can be turned at least a further 1/2 turn when the starter cord is fully extended.



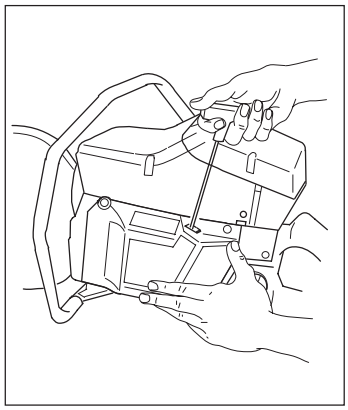
Changing the broken recoil spring

- Lift the starter pulley (see *"Changing a broken or worn starter cord"*).
- Dissasemble the recoil spring by tapping the pully (with its inside facing down) lightly against a working bench or similar. If the spring pops out when assembling, it should be mounted again, out and in towards the centre.
- Lubricate the recoil spring with thin oil. Assemble the starter pulley, and tension the recoil spring.



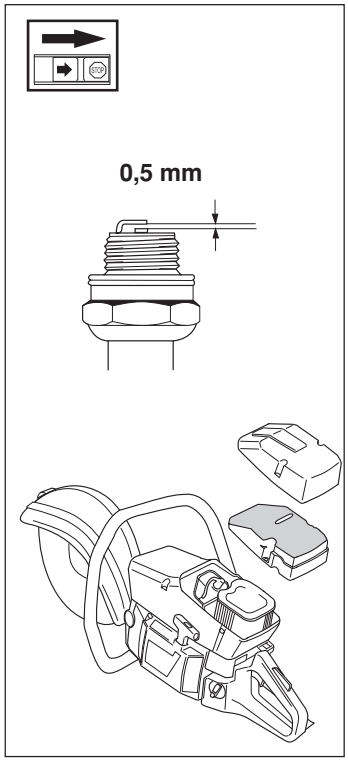
Fitting the starter

- Fit the starter by first pulling out the starter cord and then placing the starter in position on the crankcase. No slowly release the starter cord so that the pawls grip in the pulley.
- Fit and tighten the screws that hold the starter.



MAINTENANCE

Spark plug



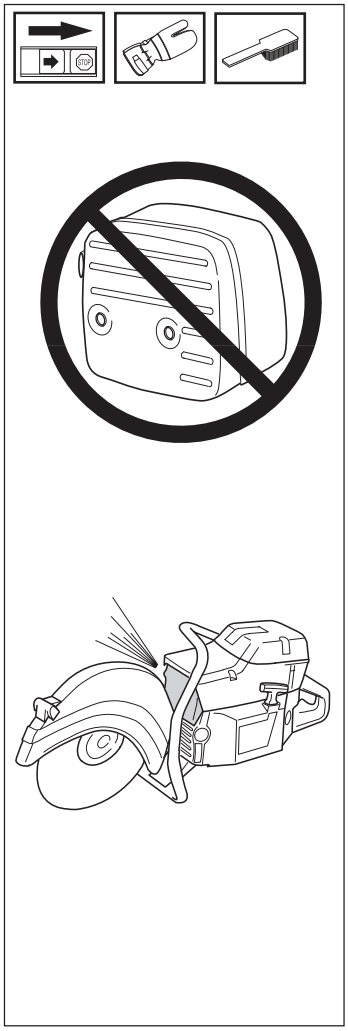
The condition of the spark plug is affected by:
- An incorrect carburettor setting.
- An incorrect fuel mixture (too much oil).
- A dirty air filter.

These factors cause deposits on the spark plug electrode that may result in malfunction or starting difficulties.

- **If the machine is low on power, difficult to start or runs poorly while idling always check the spark plug first.** If the spark plug is dirty, clean it and at the same time check that the electrode gap is 0,5 mm (.020"). The spark plug should be changed after about one month of operation or earlier if necessary.

NOTE! Always use the recommended type of spark plug. (see chapter *"Technical data"*)! An incorrect spark plug can damage the cylinder/piston.

Muffler



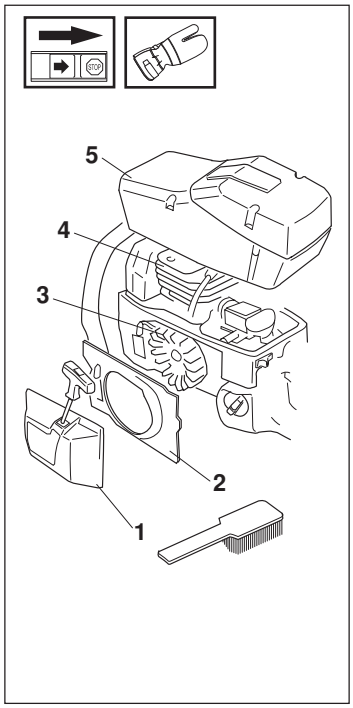
The muffler is designed in order to reduce the noise level and to direct the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks, which may cause fire if directed against dry and combustible material.

Never use a saw with a clogged or defective muffler.

Cooling system

To maintain as low an operating temperature as possible the power cutter is equipped with a cooling system.

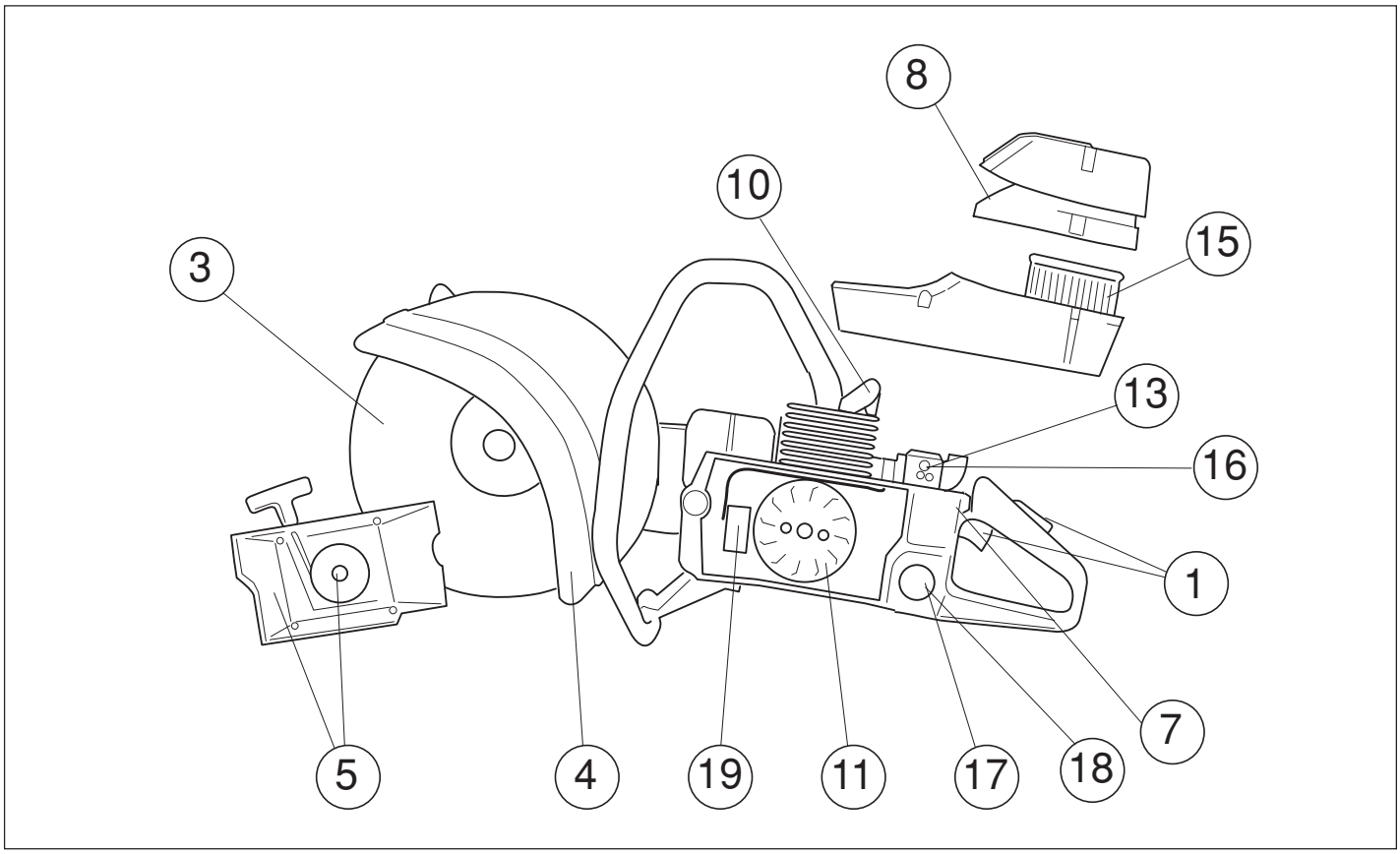
The cooling system consists of:



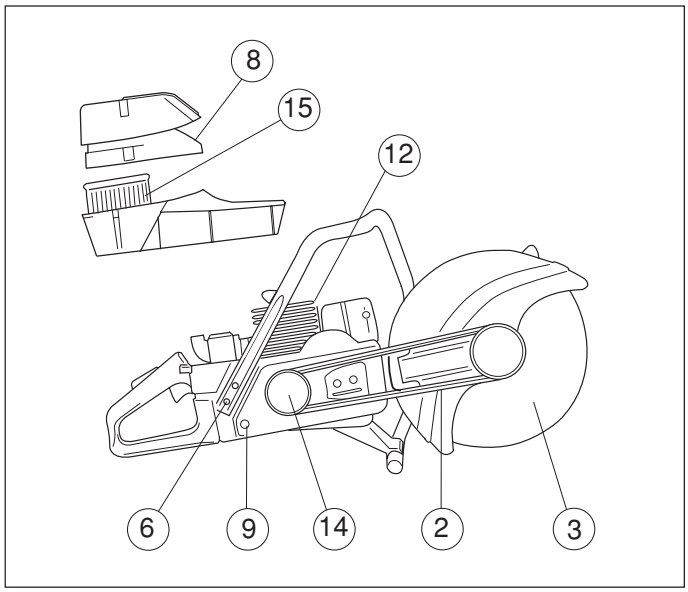
1. An air intake on the starter unit.
2. Air flow guide.
3. Cooling fins on the flywheel.
4. Cooling fins on the cylinder
5. Cylinder cover (leads cold air onto the cylinder).

Clean the cooling system using a brush at least once a week, in difficult conditions more often. A dirty or blocked cooling system leads to the engine overheating resulting in damage to the cylinder and piston.

MAINTENANCE



Below follows some general maintenance instructions.
If you need further information please contact your service workshop.



Daily maintenance

1. Check that throttle components work correctly from a safety view point (throttle and starter throttle catch).
2. Check the tension of the drive belt.
3. Check the condition of the cutting blade.
4. Check the condition of the blade guard.
5. Check the starter and the starter cord; clean the outside of the starter's air intake.
6. Check that all nuts and bolts are tightened correctly.
7. Check that the short-circuiting contact functions.

Weekly maintenance

8. Clean the main filter.
9. Check that the handles and anti-vibration elements are not damaged.
10. Clean the spark plug. Check that the electrode gap is 0.5 mm.
11. Clean the cooling fins on the flywheel. Check the starter and recoil spring.
12. Clean the cooling fins on the cylinder.
13. Check the muffler.
14. Check the carburettor.

Monthly maintenance

15. Clean the backup filter.
16. Check the clutch drum, drive-pulley, and clutch springs with regard to wear.
17. Clean the outside of the carburettor
18. Check the fuel filter, fuel hose, change if necessary.
19. Clean the inside of the fuel tank.
20. Check all cables and connections.

TECHNICAL DATA

	371K	375K
Engine		
Cylinder volume, cu.in/cm³	70,7	74,7
Cylinder bore, inch/mm	Ø 50	Ø 51,4
Stroke, inch/mm	36	36
Idle speed, rpm	2 500	2 500
Max. speed, unloaded, rpm	9 800 ± 250	9 800 ± 250
Power, kW	3,5	3,7
Ignition system		
Manufacturer	SEM	SEM
Type of ignition system	CD	CD
Spark plug	Champion RCJ-7Y NGK BPMR 7	Champion RCJ-7Y NGK BPMR 7
Electrode gap, inch/mm	0,5	0,5
Fuel and lubrication system		
Manufacturer	Walbro	Walbro
Carburettor type	HD 20	HD 20
Fuel capacity, US pint/litre	0,77	0,77
Weight		
Without fuel and cutting blade, Lbs/kg		
12" (∅ 300 mm)	9,4	–
14" (∅ 300 mm)	–	9,7
Noise emissions		
(see note 1)		
Sound power level, measured dB(A)	114	116
Sound power level, guaranteed L_{WA} dB(A)	115	116
Sound levels		
(see note 2)		
Equivalent noise pressure level at the user's ear, measured according to EN 1454, dB(A).	102	102
Vibration levels		
Handle vibrations measured according to EN 1454, m/s²	12" (∅ 300 mm)	14" (∅ 350 mm)
Front handle, idling, m/s²	4,9	6,5
Front handle, full speed, m/s²	3,0	2,7
Rear handle, idling, m/s²	5,6	9,2
Rear handle, full speed, m/s²	4,0	4,6

Note 1: Noise emissions in the environment measured as sound power (L_{WA}) in conformity with EC directive 2000/14/EC.

Note 2: Equivalent sound pressure level is calculated as the time-weighted energy total for sound pressure levels under various working conditions with the following time distribution: 1/2 idling and 1/2 max speed.

Cutting equipment

Cutting blade	Gear ratio	Max. peripherical speed
12"	0,52	80 m/s
14"	0,52	100 m/s

TECHNICAL DATA

EU declaration of conformity (Only applies to Europe)

Husqvarna AB, SE-561 82 Huskvarna, Sweden, tel. +46-36-146500, declare under sole responsibility that the power cutters **Husqvarna 371K and 375K,** with serial numbers from year 2002 and onwards (the year is clearly stated in plain text on the type plate with subsequent serial number), are in conformity with the following standards or other normative documents following the provisions in the COUNCIL'S DIRECTIVES:

- of June 22 1998 "relating to machinery" **98**/**37**/**EC**, annex IIA.
- of May 3 1989 "relating to electromagnetic compatibility" **89**/**336**/**EEC,** and applicable supplements.
- of May 8, 2000 "relating to noise emissions in the environment" **2000**/**14**/**EC**.

For information relating to noise emissions, see "TECHNICAL DATA".
The following standards have been applied: **EN292-2, CISPR 12:1997, EN 1454**

SMP Svensk Maskinprovning AB, Fyrisborgsgatan 3, SE-754 50 Uppsala, Sweden, has carried out voluntary type approval for Husqvarna AB. The certificate is numbered: **01**/**169**/**005 –** 371K, **01**/**169**/**013** – 375K.

Partille 3 April 2003

Ove Donnerdal

Ove Donnerdal, Development Manager.

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